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Blynn Shideler

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<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	10/730,586		
		Filing Date	12/08/2003		
		First Named Inventor	Thomas J. Mackey		
		Art Unit	3711		
		Examiner Name			
Sheet		of		Attorney Docket Number	DaGoom-0303

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 6,659,463	12-09-2003	Mackey	
		US- 2003/0085517	05-05-2003	Mackey, Thomas J.	
		US- 2,052,035	08-25-1936	T. R. Potter	
		US- 3,423,090	01-21-1969	R. J. Pfund	
		US- 4,019,737	04-26-1977	Witzel	
		US- 4,773,650	09-27-1988	Doughty	
		US- 4,534,567	08-13-1985	Ferris, et al.	
		US- 5,799,941	09-01-1998	Panneton	
		US- 4,317,570	03-02-1982	Brunton	
		US- 4,484,749	11-27-1984	Charney	
		US- 4,502,689	03-05-1985	Al-Harari	
		US- 4,526,376	07-02-1985	Rosenwinkel, et al	
		US- 4,799,685	01-24-1989	Hoffman, Jr.	
		US- 5,871,212	02-16-1999	Lee	
		US- 6,132,314	10-17-2000	Aiki	
		US- 2,757,933	08-07-1956	A. Gilmour	
		US- 3,206,887	09-21-1965	J. F. Eyler, et al.	
		US- 3,692,310	09-18-1972	Martin	
		US- 3,926,437	12-16-1975	Moe et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature	Date Considered
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		First Named Inventor	Thomas J. Mackey
		Art Unit	3711
		Examiner Name	
Sheet 2 of	Attorney Docket Number	DaGoorn-0303	

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		US- 4,182,516	01-08-1980	Gill	
		US- 841,366	01-15-1907	H. M. Yorke	
		US- 1,167,394	01-11-1916	E. W. Foster	
		US- 3,057,624	10-09-1962	J. L. Bassett	
		US- 3,406,975	10-22-1968	G. G. Berger	
		US- 4,828,268	05-09-1989	Somerville	
		US- 5,048,840	09-17-1991	Johnson, Jr.	
		US- 2002/0180150	12-05-2002	Weisman, Jordan K.	
		US- 2003/0071414	04-17-2003	Weisman, Jordan K.	
		US- 2004/0051244	03-18-2004	Weisman, Jordan K.	
		US- 2004/0051245	03-18-2004	Weisman, Jordan K.	
		US- 3,651,574	03-28-1972	Burkart	
		US- 5,458,523	10-17-1995	Aoki, et al.	
		US- 3,610,626	10-05-1971	Nolte	
		US- 3,806,125	05-23-1974	Bialek	
		US- 5,306,015	04-26-1994	Daud, et al.	
		US- 5,895,046	04-20-1999	Lee	
		US- 4,810,224	03-07-1989	DeVincent	
		US- 3,862,512	01-28-1975	Vogel	

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		US- 4,084,813	04-18-1978	Washnock et al.	
		US- 4,896,888	01-30-1990	Owen	
		US- 3,696,510	10-10-1972	Evans, Jr.	
		US- 5,052,687	10-01-1991	Katerba	
		US- 4,532,710	08-06-1985	Kinney et al.	
		US- 5,145,177	09-08-1992	Wells	
		US- 2,557,481	06-19-1951	J. D. Staples et al.	
		US- 6,015,150	01-18-2000	Gigu ere	
		US- 5,860,650	01-19-1999	Scobbie et al.	
		US- 4,434,984	03-06-1984	Bergstrom	
		US- 5,615,883	04-01-1997	Stevens	
		US- 5,637,996	06-10-1997	McDarren et al.	
		US- 5,042,972	08-27-1991	Bech et al.	
		US- 5,407,201	04-18-1995	Whitehurst	
		US- 5,685,120	11-11-1997	Sohra	
		US- D159,315	07-18-1950	Beach	
		US- 1,468,143	09-18-1923	Eldridge	
		US- 2,784,970	03-12-1957	Heiner	
		US- 3,043,594	07-10-1962	Seitz	

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Sheet 4	of	Attorney Docket Number	DaGoom-0303

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		The Adventurers Guide to DarkWorld, 1992, 10 pgs., Mattel Inc. El Segundo, California, USA	

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